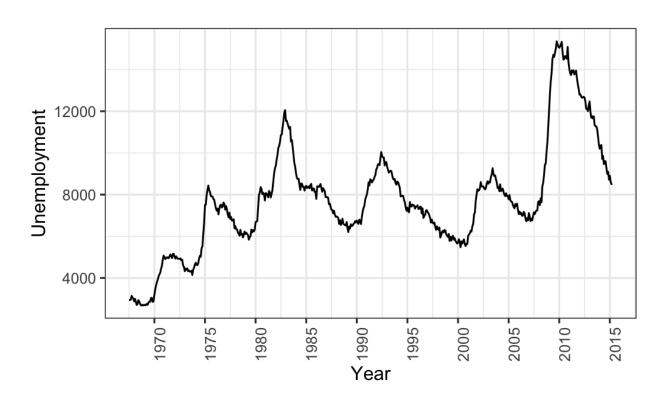
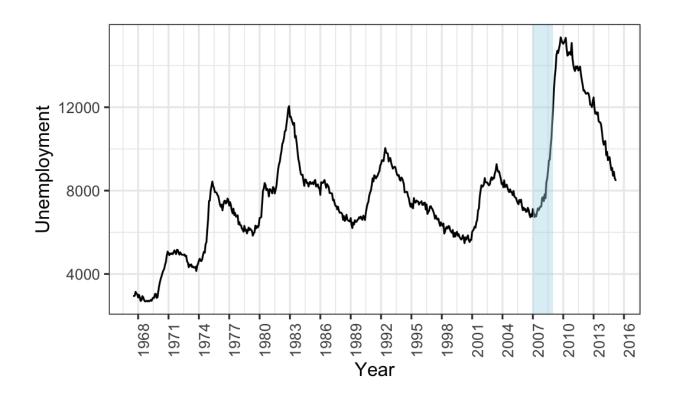
Time Series

```
ggplot(data = economics,
mapping = aes(
x = date,
y = unemploy
)
) + geom_line() + scale_x_date(date_breaks="5 year", date_labe.
labs(x="Year",
y="Unemployment") +
theme(axis.text.x=element_text(angle=90, hjust=1))
```



```
unemployment_annotate <-</pre>
ggplot(data = economics,
                             mapping = aes(
                                     x = date,
                                     y = unemploy
                             ) +
                             geom_line() +
                             scale_x_date(date_breaks="3 year",
                             date_labels="%Y") +
labs(x="Year",
y="Unemployment") +
theme(axis.text.x=element_text(angle=90, hjust=1)) +
annotate(
geom = "rect",
ymin = -Inf,
ymax = Inf,
xmin = as.Date("2007-01-01"),
xmax = as.Date("2009-01-01"),
fill = "lightblue",
alpha = 0.4
)
```



*annote(geom="rect".....)

```
library(ggpmisc)
unemployment_annotate + stat_peaks(color="red")
```

